

Message

**From:** Fullagar, Jill [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7BA061353C314B40A14A8BE1EE382AE3-GABLE, JILL]  
**Sent:** 1/11/2018 9:00:36 PM  
**To:** Brown, Cheryl A. [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=dd6f8a562924439aaf97ca98ddaf1e10-Brown, Cheryl]  
**Subject:** RE: OR OA briefing docs

Thanks for this Cheryl. I'll make some edits.

**Deliberative Process / Ex. 5**

**Deliberative Process / Ex. 5**

We talked about that at the briefing,

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**Deliberative Process / Ex. 5** Thanks.

jill

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**From:** Brown, Cheryl A.  
**Sent:** Tuesday, December 12, 2017 2:24 PM  
**To:** Fullagar, Jill <Fullagar.Jill@epa.gov>  
**Subject:** RE: OR OA briefing docs

Hi Jill,

So here is the item in the briefing document that I saw which was a bit inaccurate, from page 11:

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The CCIEA (2015) reference modeled the aragonite saturation state using other parameters.

I believe that they used the model developed in Juranek et al. (2009)  
<http://onlinelibrary.wiley.com/doi/10.1029/2009GL040778/pdf>

This is what gave them the ability to hind cast aragonite saturation state going back to the late 1990s conditions.

Also, in the CCIEA (2015) report found here

<http://www.pcouncil.org/wp-content/uploads/2017/04/IEA-State-of-the-California-Current-Report-2015.pdf>

It does show upwelling strength for 2010, 2011, 2012, 2013, 2014 (see Figure 3.5),

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There are additional reports (2016 and 2017) found at this location:

<https://www.pcouncil.org/ecosystem-based-management/annual-state-of-the-california-current-ecosystem/>

Including for 2016 and 2017.

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**From:** Fullagar, Jill  
**Sent:** Monday, December 11, 2017 1:59 PM  
**To:** Brown, Cheryl A. <[Brown.Cheryl@epa.gov](mailto:Brown.Cheryl@epa.gov)>; Cora, Lori <[Cora.Lori@epa.gov](mailto:Cora.Lori@epa.gov)>; Labiosa, Rochelle <[labiosa.rochelle@epa.gov](mailto:labiosa.rochelle@epa.gov)>; Cope, Ben <[Cope.Ben@epa.gov](mailto:Cope.Ben@epa.gov)>  
**Subject:** RE: OR OA briefing docs

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**Deliberative Process / Ex. 5**

Does that make sense?

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**From:** Brown, Cheryl A.  
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**To:** Fullagar, Jill <[Fullagar.Jill@epa.gov](mailto:Fullagar.Jill@epa.gov)>; Cora, Lori <[Cora.Lori@epa.gov](mailto:Cora.Lori@epa.gov)>; Labiosa, Rochelle <[labiosa.rochelle@epa.gov](mailto:labiosa.rochelle@epa.gov)>; Cope, Ben <[Cope.Ben@epa.gov](mailto:Cope.Ben@epa.gov)>  
**Subject:** RE: OR OA briefing docs

I think I found a small typo on the Brief summary document:  
The following bullet point:

# Deliberative Process / Ex. 5

Unless I'm misunderstanding the bullet.


Cheryl

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**From:** Fullagar, Jill  
**Sent:** Monday, December 11, 2017 1:41 PM  
**To:** Croxton, Dave <[Croxton.David@epa.gov](mailto:Croxton.David@epa.gov)>; Cora, Lori <[Cora.Lori@epa.gov](mailto:Cora.Lori@epa.gov)>; Cope, Ben <[Cope.Ben@epa.gov](mailto:Cope.Ben@epa.gov)>; Labiosa, Rochelle <[labiosa.rochelle@epa.gov](mailto:labiosa.rochelle@epa.gov)>; Brown, Cheryl A. <[Brown.Cheryl@epa.gov](mailto:Brown.Cheryl@epa.gov)>; Opalski, Dan <[Opalski.Dan@epa.gov](mailto:Opalski.Dan@epa.gov)>; Stern, Allyn <[Stern.Alyn@epa.gov](mailto:Stern.Alyn@epa.gov)>; Steiner-Riley, Cara <[Steiner-Riley.Cara@epa.gov](mailto:Steiner-Riley.Cara@epa.gov)>; Chung, Angela <[Chung.Angela@epa.gov](mailto:Chung.Angela@epa.gov)>; Lidgard, Michael <[Lidgard.Michael@epa.gov](mailto:Lidgard.Michael@epa.gov)>  
**Subject:** OR OA briefing docs

Fullagar, Jill has shared OneDrive for Business files with you. To view them, click the links below.

 Director Briefing Oregon Deliberative Process / Ex. 5 21117.docx

 Brief Summary of OR OA Deliberative Process / Ex. 5 21117.docx

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Hi all,

Please find our briefing docs attached. One is the detailed rationale with works cited, the other is a very brief summary of our main points. See you in Dan's office or on the phone at 4pm. Thanks.

jill

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